

CLAIM AMENDMENTS

Please amend the claims as follows:

1-15. (Canceled)

16. (Currently amended) An article of manufacture having magnetocrystalline anisotropic magnetic energy, comprising:

a substrate; and

a ~~single~~ flexible magnetic coating fixedly attached to said substrate, said coating comprising ~~magnetic~~ mechanofused particles thermally sprayed onto said substrate in the presence of an applied magnetic field at said substrate, wherein the mechanofused particles consist essentially of magnetic particles incorporated into or onto matrix material by mechanofusion.

17. (Original) An article of manufacture according to claim 16, wherein said magnetic particles have an H_C of greater than about 150 Oe, and wherein said matrix material has a melt-flow index from about 7 to about 700.

18. (Canceled).

19. (Original) An article according to claim 16, wherein said flexible magnetic coating comprises from about 8% to about 38%, by volume of the coating, of magnetic particles.

20. (Original) An article according to claim 16, wherein at least one section of said article has an easy magnetic axis.

21. (Original) An article according to claim 16, wherein said article has a coercivity of greater than about 2200 Oe.

22. (Currently amended) A thermally sprayed, flexible anisotropic magnet ; comprising magnetic mechanofused particles dispersed within a matrix material and formed by thermal spraying , wherein the mechanofused particles consist essentially of magnetic particles incorporated into or onto matrix material by mechanofusion, and wherein the magnet is made by a process comprising thermally spraying the mechanofused particles onto a removable mold in the presence of an applied magnetic field at the mold.

23. (Original) A flexible anisotropic magnet according to claim 22, wherein said magnetic particles have an H_C of greater than about 150 Oe, and wherein said matrix material has a melt-flow index from about 7 to about 700.

24. (Canceled).

25. (Original) A flexible anisotropic magnet according to claim 22, comprising from about 8% to about 38%, by volume, of magnetic particles.

26. (Original) A flexible anisotropic magnet according to claim 22, wherein at least one section of said magnet has an easy magnetic axis.

27. (Original) A flexible anisotropic magnet according to claim 22, wherein said magnet has a coercivity of greater than about 2200 Oe.

28. (Previously presented) An article according to claim 16, wherein the magnetic particles comprise strontium ferrite ($\text{SrFe}_{12}\text{O}_{19}$), and wherein the substrate material comprises EMAA.

29. (Previously presented) A flexible anisotropic magnet according to claim 22, wherein the magnetic particles comprise strontium ferrite ($\text{SrFe}_{12}\text{O}_{19}$), and wherein the matrix material comprises EMAA.

30. (Currently amended) An article of manufacture comprising:
a substrate; and
a flexible anisotropic magnetic coating fixedly attached to said substrate;
wherein said coating comprises ~~magnetic~~ mechanofused particles ~~incorporated into or~~
~~onto matrix material;~~

wherein the mechanofused particles consist essentially of magnetic particles incorporated into or onto matrix material by mechanofusion;

wherein said coating is thermally sprayed onto said substrate in the presence of an applied magnetic field at said substrate; and

wherein said coating is fixedly attached to said substrate without an adhesive layer.

31. (Currently amended) An article of manufacture comprising:

a substrate; and

a flexible anisotropic magnetic coating fixedly attached to said substrate;

wherein said coating comprises ~~magnetic~~ mechanofused particles ~~incorporated into or onto matrix material;~~

wherein the mechanofused particles consist essentially of magnetic particles incorporated into or onto matrix material by mechanofusion;

wherein said coating is thermally sprayed onto said substrate in the presence of an applied magnetic field at said substrate;

wherein said coating has induced magnetocrystalline anisotropy; and

wherein said article ~~of~~ immediately upon manufacture has less than five percent, by weight, of volatile organic compounds.

32. (New) An article of manufacture consisting essentially of:

a substrate layer; and

a flexible magnetic layer, wherein the flexible magnetic layer comprises mechanofused particles, wherein the mechanofused particles consist essentially of magnetic particles incorporated into or onto matrix material by mechanofusion, and wherein the article is formed by thermally spraying the magnetic layer onto the substrate in the presence of an applied magnetic field to produce an article having magnetocrystalline anisotropic magnetic energy.